

ABSTRACT OF THE DISCLOSURE

5 A system for wireless communications is provided. The  
system includes a hand-held wireless communications device,  
such as a cell phone. An antenna is connected to the cell  
phone. The antenna radiates radio waves over an area of  
less than 360 degrees of arc, such as in a cardioid or  
hemisphere. The antenna is oriented such that hemisphere is  
10 in the direction away from a head of a user of the cell  
phone.